



Aerolube Technologies



Technical Data Sheet

8016 Insul Varnish

Red Insulating Varnish For Class 'F' Application

Product Description

Stanvac 8016 Insul Varnish is a coating with exceptional insulating properties for electrical and electronic equipment to provide surface protection against oils, water, moisture, acids, alkalis and varying temperatures. Dry to touch in 10 minutes after application, and tack free within 20 minutes, this fast air drying, flexible coating has excellent adhesion to metal windings and coils with a temperature Class F (155°C) rating and high dielectric strength.

Stanvac 8016 Insul Varnish offers complete surface protection by sealing out water and moisture while possessing excellent penetrating and adhesive properties along with resistance to oils.

Applications

Use Stanvac 8016 Insul Varnish protective coating to insulate and seal:

Motor windings • Terminals • Bus bars • Commutator ends • Stator coils • End turns on electrical windings • Printed circuit boards • Ceramic & plastic insulators • Armatures • Rewound motors • Generators • Insulator bushes • Transformers, Phenolic / Porcelain Molded Parts, Magnets Improving Megaohm and dielectric values of new as well as rebuilt motors
Highly suitable for insulating electrical windings that are exposed to extreme moisture and corrosive conditions as well as temperature and voltage fluctuations

Benefits

- Possesses high dielectric strength, surface and volume resistivity to provide effective insulation of electrical equipment
- Hard, durable & flexible protective film does not peel, crack or age and offers protective resistance to shocks, abrasion as well as aggressive chemical environments
- Fast air-drying, stable, single component coating with excellent resistance against oils, chemicals, ageing, moisture condensation, weathering effects
- Seals out moisture with a visible, highly glossy, smooth abrasion resistant protective coating
- Highly heat resistant coating suitable for Class F insulation with greater allowance for thermal expansion and contraction
- Improves Megaohm and dielectric values
- Very good adhesion on a variety of substrates
- Oil resistant to ASTM D 115

Directions for Use

Shake can well before use. Clean thoroughly and dry the surface to be coated before application of this coating. Mask area not to be sprayed. Spray from 12-15 inches away in light, even coats with a sweeping action of the hand. Allow solvents to evaporate completely before re-application. Additional coats for heavy film can be applied when first coat is dry. Coating becomes dry to touch in about 20-30 minutes. Clean the valve by inverting the can and spraying a few short bursts till only the clear propellant comes out. Clean the actuator button orifice by means of a thin, fine wire.

Caution: Contains flammable solvents and propellant. Do not spray near naked flame, hot surfaces or energized equipment. Use with adequate ventilation.

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TECHNICAL PROPERTIES

Parameter*	Value
Appearance	Glossy finish
Class	F
Type	Fast air drying coating
Adhesion	Excellent
Color	Red
Color Fastness	Excellent
Odor	Solvent
Specific Gravity @ 20°C	0.90 - 1.05 gm/cc
Flash Point	-18°C (aerosol)
Drying Time Schedule @ 25°C	
-To Touch	10-15 minutes
-To Handle	50-60 minutes
-Full Cure	24 hours (for optimum results)
-Recoating Period	After drying to handle
Resistant to	Mineral oils, mineral spirits, humidity
Temperature Range	-40°C to +155°C
Evaporation Rate	>n,butyl acetate
Vapor Pressure (air=1)	>air
Dielectric Strength	2100 volts/mil
Dry Film Thickness (DFT)	25-30 microns per coat
Coverage(aerosol)	2-3 m ² /can
Propellant	Hydrocarbon

* of active ingredients

General

Use in well ventilated areas. Avoid continuous breathing of vapor and spray mist. In closed areas or areas with poor ventilation, use respiratory protection. For complete details on safety, short and long term exposure, refer to this product's safety data sheet (SDS).

Available Packaging

500 ml Aerosol Spray, 4 Kg.

Shelf Life

24 months from date of manufacture in sealed condition.

Disposal

All used and unused product should be disposed of in accordance with state regulations.

Handling

Read instructions on the container label of the product before use. The product safety data sheet (SDS) contains the relevant information regarding personal protective equipment, safe use, physical and health hazards. Safety data sheet is available from Aerolube or your local Aerolube distributor.

Limited Warranty

The information and data contained in this sheet is accurate to the best of our knowledge or is obtained from sources, tests or experiences believed by us to be reliable and accurate. User is responsible for determining whether recommended Stanvac product is fit for a particular purpose. All products should be tested for suitability on a particular application prior to actual use. We make no representations of any kind. Data offered without warranty. Product manufactured is for industrial use only.

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